NOTICE: This document contains references to Varian. Please note that Varian, Inc. is now part of Agilent Technologies. For more information, go to **www.agilent.com/chem.**

Agilent Technologies

BA-550 Power Supply Installation

(Formally Mini-BA)

FIELD INSTALLATION SHEET

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Varian Field Instruction Sheet

BA-550 Power Supply Installation

The external power supply R2180301 delivers the power required to operate a single BA-550 from worldwide voltages when used with the appropriate detachable IEC power cord. The system is supplied pre-wired for supply of DC power to the BA-550. You can add additional wiring to access all of the other BA-550 I/O features.

Installation

Installation:

1. Unpack the power supply system. A US grounded style 115 VAC cord is included.
2. Plug the 15 pos Dsub connector into the BA-550.
3. Plug the IEC end of the power cord into the connector of the power supply.
4. Plug the other end into the wall outlet. The BA-550 powers up.

NOTE

There is no power switch on the power supply. It produces DC voltage as long as the main AC power is on and the unit is plugged in. See the procedure below if additional I/O connections are required.

Additional I/O install:

For specific pin descriptions refer to the BA-550 manual.

1. Unplug the AC power cord from the wall outlet.
2. Unplug the Dsub connector from the BA-550.
3. Open the backshell by removing the two screws on the cover.
4. Find the pins that need to be connected.
5. Solder 22AWG, stripped to approximately 1/16” (1.6mm), or smaller wires to the required pins. Slip them through the rubber strain relief prior to soldering. If there are too many wires to fit through the pre-installed strain relief, than it should be exchanged with one of the others that are supplied. To do this:

   a. Unsolder all wires soldered to the connector, making note of where the wires are connected to. The power supply connections are:

   i. Smooth wire--- pin # 6

   ii. Ridged wire --- pin # 7

   b. Select a new strain relief that most allows all of the wires to fit. It should be a snug fit.

   c. Strip, tin and solder the wires to the appropriate pins as in step 5 above.
6. Reassemble the backshell
7. Reattach the Dsub and AC cords

Technical Assistance

The back cover lists all the Varian offices from which you can obtain technical assistance.

In the United States, contact Varian Customer Service at 1-800-8Varian or on-line at vpl.customer.support@varianinc.com.

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VARIAN

IMPORTANT
Instructions for returning products

Dear Customer,

Please follow these instructions whenever one of our products needs to be returned:

1. Complete the *Request for Return* form on our website (www.varianinc.com) and send it to Varian (see below), taking particular care to identify all products that have pumped or been exposed to any toxic or hazardous materials.
2. After evaluating the information, Varian will provide you with a Return Authorization (RA) number via email or fax, as requested.

   Note: Depending on the type of return, a Purchase Order may be required at the time the Request for Return is submitted. We will quote any necessary services (evaluation, repair, special cleaning, e.g.).
3. **Important steps for the shipment of returning product**:
   - ❑ Remove all accessories from the core product (e.g. inlet screens, vent valves).
   - ❑ Prior to shipment, drain any oils or other liquids, purge or flush all gasses, and wipe off any excess residue.
   - ❑ If ordering an Advance Exchange product, **use the packaging from the Advance Exchange to return the defective product**.
   - ❑ Seal the product in a plastic bag, and package the product carefully to avoid damage in transit. You are responsible for loss or damage in transit.
   - ❑ Varian, Inc. is not responsible for returning customer provided packaging or containers.
   - ❑ **Clearly label package with the RA number.** Using the shipping label provided ensures the proper address and RA number are on the package. Packages shipped to Varian without an RA clearly written on the outside cannot be accepted and will be returned.
4. Return only products for which the RA was issued.
5. **Product being returned under an RA must be received within 15 business days**.
6. **Ship to the location specified on the printable label, which will be sent, along with the RA number, as soon as we have received all of the required information.** Customer is responsible for freight charges on returning product.
7. Return shipments must comply with all applicable **Shipping Regulations** (IATA, DOT, etc.) and carrier requirements.

Return the completed request for return form to your nearest location:

North America:	**Europe:**	**Pacific Rim:**
FAX: 1-781-860-9252	FAX: 00 39-011-9979125	
Toll Free: 800-8VARIAN	Fax Free: 00 800 345 345 00	Please visit our website for individual office information.
(800-882-7426	Toll Free: 00 800 234 234 00	
vtl.ra@varianinc.com	vtt.ra@varianinc.com	http://www.varianinc.com/vacuum

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